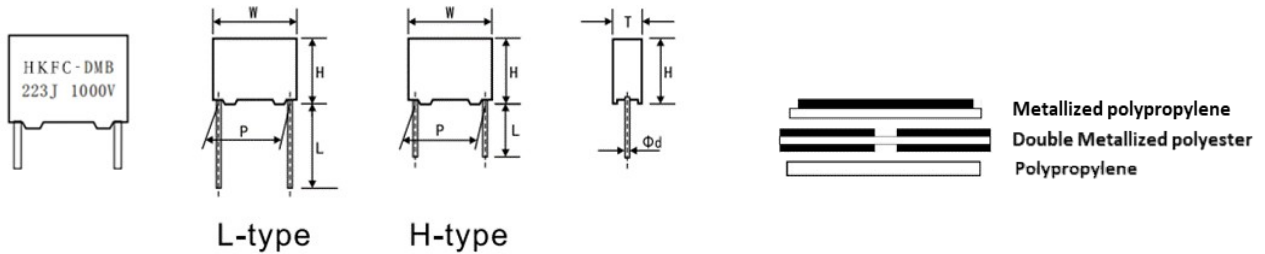


# HK Film Capacitor Ltd

## 10. High Voltage Pulse Capacitor - Box type : HKFC-DMB series

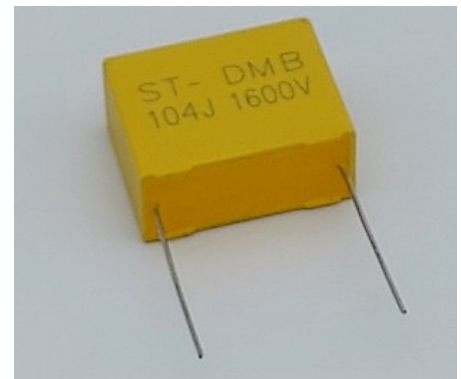


### FEATURES

- Double sided metallized polypropylene film , series non-wound construction
- Low loss at high frequency
- Small inherent temperature rise
- Plastic case,Flame retardent epoxy resin sealing.

### TYPE APPLICATION:

- Widely used in medium and high frequency AC and DC circuits;
- High voltage, high pulse, high energy storage, fast charge and discharge performance;
- High dv/dt value, high frequency filter absorption performance, and can be use in SCR rectifier circuit;
- Spike voltage clamping and protection.



### Specifications

Reference Standard		GB/T 10190 (IEC 60384-16)					
Climatic Category		40/85/56					
Rated Temperature		85°C					
Operating Temperature Range		-40~+85°C					
Rated voltage	(vdc at+85°C)	630V	800V	1000V	1200V	1600V	2000V
Rated voltage	(vac at+85°C)	250V~	330V~	400V~	450V~	500V~	550V~
Capacitance range		0.01 $\mu$ F~0.68 $\mu$ F					
Capacitance tolerance		$\pm$ 5% (J), $\pm$ 10% (K)					
Voltage Proof	(vdc at+25°C)	1.6* R.V(DC) , 5s (between terminals)					
Voltage Proof	(vac at+25°C)	1.6* R.V(AC) , 5s (between terminals)					
Dissipation factor		$\leq$ 0.1% (1KHz at 20~25°C)					
Insulation Resistance		$\geq$ 50 000M $\Omega$ , $C_R \leq$ 0.33 $\mu$ F $\geq$ 15 000 s, $C_R >$ 0.33 $\mu$ F ( at 100 VDC , 60s 20~25°C)					
If the working voltage (U) is lower than the rated voltage (UR), the capacitor can be worked at a higher dV/dt.In thiscase, the maximum allowed dV/dt is obtain by multiplyingthe right value with UR/U.		$U_R$ (V)	dV/dt (V/us)				
			P=15	P=22.5	P=27.5	P=32.5	
		630V/250V~	950	500	450	/	
		800V/330V~	1390	720	660	/	
		1000V/400V~	1980	1020	930	/	
		1200V/450V~	/	1370	1250	/	
		1600V/500V~	/	2400	1490	/	
2000V/550V~	/	3400	3100	/			

Note: If the customer has special requirements, it can be produced according to customer requirements